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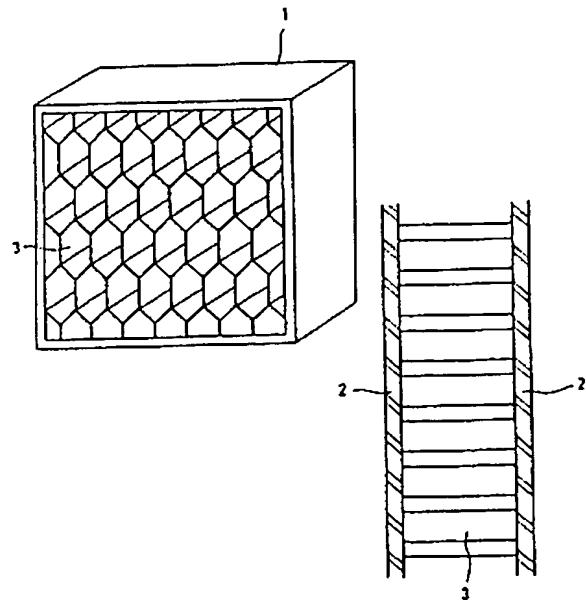
APPLICATION DATE : 29-12-88
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TITLE : MAGNETIC SHIELD WINDOW



ABSTRACT : PURPOSE: To prevent the measurement error caused by the magnetic leakage via a window by inserting flake-shaped soft magnetic amorphous alloy pieces with the specific thickness and aspect ratio between aluminum alloy foils or copper foils, molding this laminated body in a honeycomb or lattice shape, and fixing it to a sash frame.

CONSTITUTION: A sash frame 1 arranged on the opening bored on a shield room is made of an extruded material of an aluminum alloy, and its width (1) is set to 10-15cm, which is larger than the ordinary size. Flake-shaped soft magnetic amorphous alloy pieces with the thickness of 5-100 μ m and the aspect ratio of 10-15000 are sandwiched between a pair of aluminum or copper foils to form a laminated body. Many laminated bodies are stuck while adjacent laminated bodies are separated, and they are expanded in a honeycomb or lattice shape 3. The depth size of this honeycomb or lattice shape 3 is set to 10-15cm, and it is fixed on the inner periphery wall of the sash frame 1. When a window thus formed is fitted to the opening, the window performing the magnetic shield is obtained.

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